

What to do with a degree in...

## ***INDUSTRIAL ENGINEERING AND MANAGEMENT***

A degree in Engineering, Architecture or Technology provides the knowledge and tools for problem solving. Be aware that the actual work that engineers perform will vary depending on the company and industry in which they work. Some engineers work

in a research or development capacity, while others serve in management roles. The work environment also varies, including outdoor work, work in an office setting, or a combination.

### **SKILLS**

Industrial Engineering and Management focuses on systems that provide products (goods and services) for customers throughout the world. Industrial engineers define, design, build, operate, and improve production processes that convert resources to products effectively, efficiently, and safely.

Graduates with an IEM degree are prepared for professional practice in defining, designing, implementing, operating, and improving processes with a heightened focus on quality (including customer satisfaction) and management.

### **CAREER PATHS**

BUSINESS SUPPORT MANAGER  
CONSULTANT  
COMBUSTION ENGINEER  
DATA MINING ANALYST  
ECONOMIC ANALYST  
LOGISTICS ENGINEER  
MANUFACTURING ENGINEER  
OPERATIONS RESEARCH ANALYST  
PRICING & SUPPLY CHAIN ANALYST  
PROCESS ANALYST  
PROCESS ENGINEER

PROCUREMENT ENGINEER  
QUALITY CONTROL ENGINEER  
SOFTWARE CONSULTANT  
STATISTICIAN  
SUPPLY CHAIN MANAGEMENT  
SUPPLY QUALITY ENGINEER

### **WHO HIRES INDUSTRIAL ENGINEERING AND MANAGEMENT MAJORS**

Amazon  
American Airlines  
Anheuser Busch  
ArcBest  
Georgia-Pacific  
Halliburton  
J.B. Hunt  
Liberty Mutual

Phillips 66  
Spirit AeroSystems  
Textron Aviation  
Turner Broadcasting System Inc.  
Walmart  
Webco  
West Corporation  
WPX Energy



## STARTING AVERAGE SALARIES

(DATA GATHERED FROM  
OSU CEAT GRADUATES)

2022 - \$71,917

2023 - \$79,637

2024 - \$68,297

## **TIPS FOR SUCCESS IN INDUSTRIAL ENGINEERING**

- Obtain an internship or co-op experience during your college career in order to discover your interests, gain experience, and contribute to your resume.
- Be comfortable working in group environments, you will have a lot of team oriented projects while in school to prepare you for becoming a professional engineer. Engineers work together solve vast problems. Working with others may show you a better ways to solve a problem.
- Take advantage of all of the free tutoring available on campus. Tutors are usually past students.

## **GET INVOLVED ON CAMPUS**

Alpha Pi Mu - Industrial Engineering Honor Society  
Institute of Industrial and Systems Engineers (IISE)

Additional Resources About Industrial Engineering and Management Careers:

[iem.okstate.edu](http://iem.okstate.edu)

[orgs.okstate.edu/apm](http://orgs.okstate.edu/apm)

[www.iise.org](http://www.iise.org)

## **MARKETABLE SKILLS OF INDUSTRIAL ENGINEERING AND MANAGEMENT GRADUATES**

- Ability to think broadly, but in specific terms
- Able to understand business parameters
- Production processes
- Highly organized
- Efficiency
- Improve upon design
- Critical thinking
- Project planning/management



For More Information About Industrial  
Engineering and Management at OSU:

Prospective Student Services:  
(405) 744-5279

Career Services:  
(405) 744-3858

[HireOSUGrads.com](http://HireOSUGrads.com)